

FIG. 2

200 TCP/IP PACKET
202 DESTINATION 204 SOURCE 206 PORT
210 DHCP MESSAGE
230 DHCP OPTIONS:
240 SUBNET ALLOCATION OPTIONS:
242 SUBNET ALLOCATION OPTION INDICATOR
244 LENGTH OF SUBNET ALLOCATION OPTION
246 SUB-OPTION OF SUBNET ALLOCATION OPTION
250 LENGTH OF SUB-OPTION
252 NUMBER OF SUBNETS
254 FLAGS
256 SIZE OF SUBNET
258 BASE ADDRESS
260 LENGTH OF STATISTICS FIELDS
262 STATISTICS FIELDS
• • • 239

FIG. 3 302 304 **REQUESTING RESPONDING DHCP DHCP SERVER SERVER** <u>320</u> **DISCOVERY BROADCAS** <u>326</u> **OFFER UNICAST** 330 **REQUEST BROADCAST** <u>336</u> ACK **UNICAST** 340 RENEW REQ. **UNICAST** <u>346</u> RENEW RESP. UNICAST 350 RELEASE. UNICAST

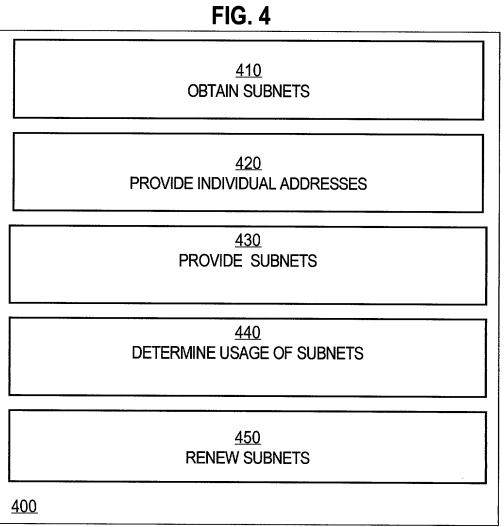


FIG. 5

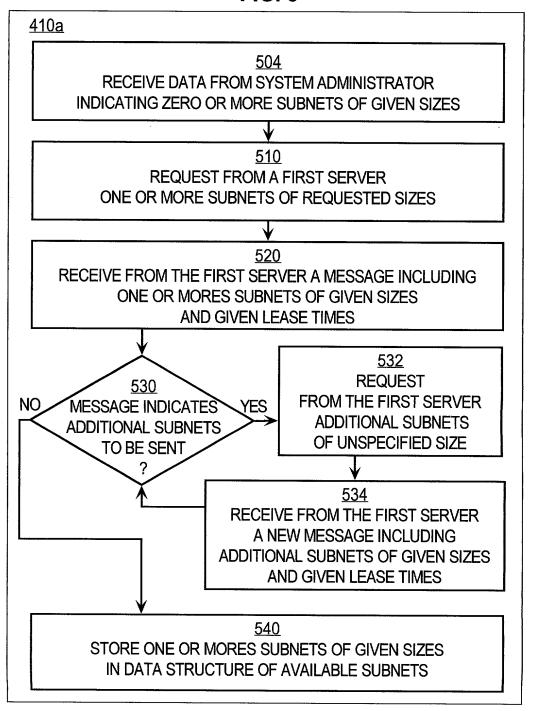


FIG. 6

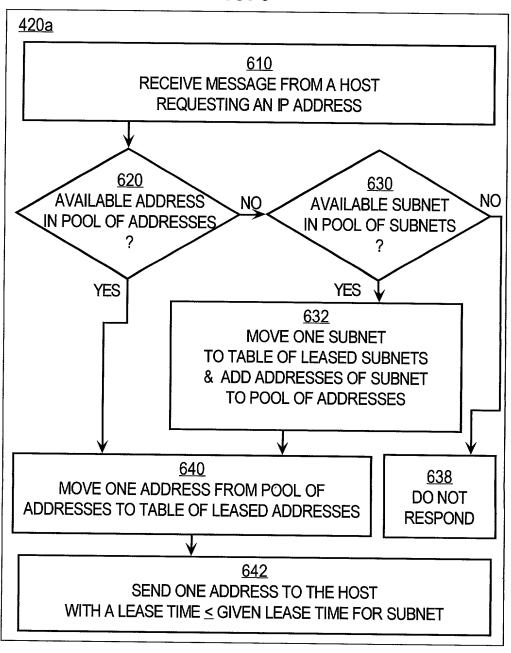


FIG. 7

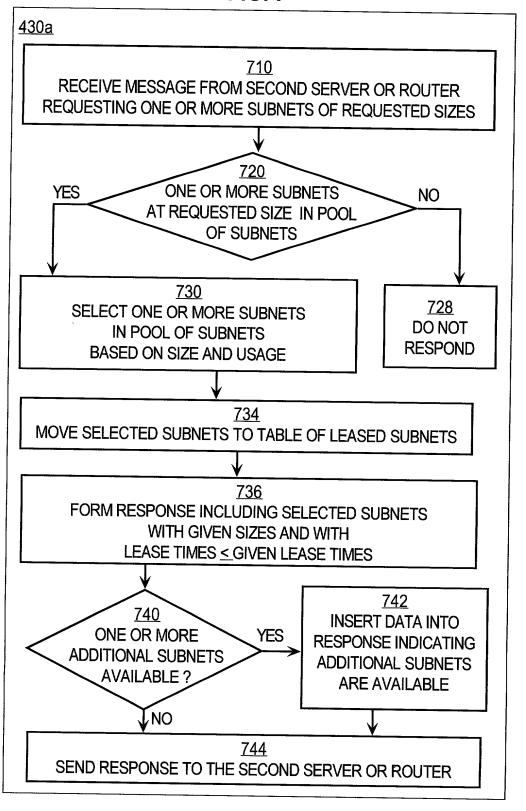


FIG. 8

440a

810 DETERMINE LEASED SUBNETS BY MOVING TO TABLE OF LEASED SUBNETS

820 MINE AND STORE NUMBER OF ADD

DETERMINE AND STORE NUMBER OF ADDRESSES IN SUBNET CURRENTLY LEASED

830

DETERMINE AND STORE LARGEST NUMBER OF ADDRESSES
IN SUBNET LEASED AT ONE TIME

840

DETERMINE AND STORE NUMBER OF ADDRESSES IN SUBNET THAT ARE UNUSABLE

850
DETERMINE OTHER MEASURES OF USAGE

FIG. 9A

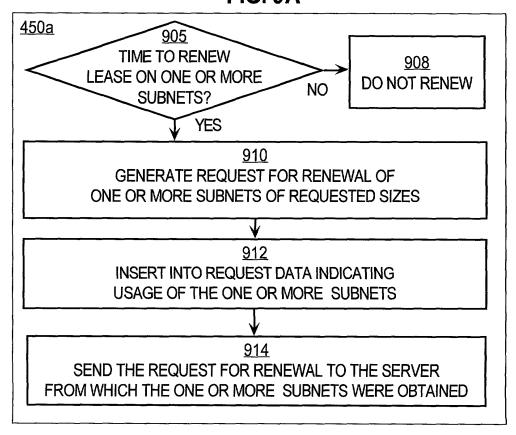


FIG. 9B

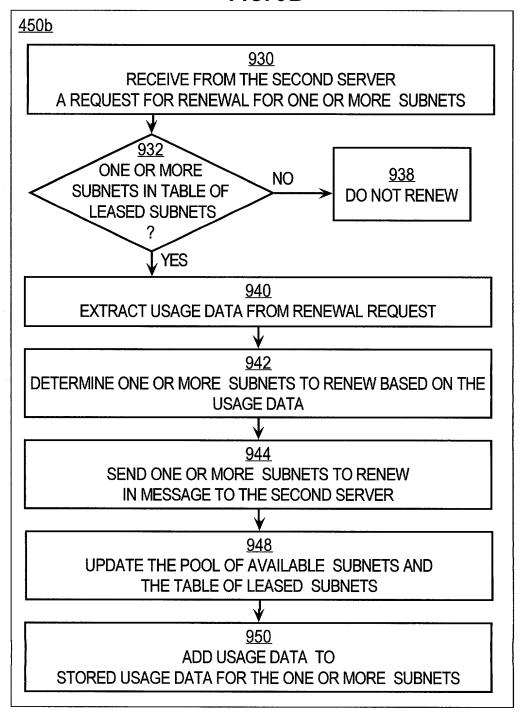


FIG. 10

